

Anurita Selvarajoo

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

553
citations

687363

13
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

427
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment of palm oil mill effluent (POME) using chickpea (<i>Cicer arietinum</i>) as a natural coagulant and flocculant: Evaluation, process optimization and characterization of chickpea powder. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6243-6255.	6.7	72
2	Biochar production via pyrolysis of citrus peel fruit waste as a potential usage as solid biofuel. <i>Chemosphere</i> , 2022, 294, 133671.	8.2	63
3	Comparative study of artificial neural network (ANN), adaptive neuro-fuzzy inference system (ANFIS) and multiple linear regression (MLR) for modeling of Cu (II) adsorption from aqueous solution using biochar derived from rambutan (<i>Nephelium lappaceum</i>) peel. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 439.	2.7	51
4	How does the Internet of Things (IoT) help in microalgae biorefinery?. <i>Biotechnology Advances</i> , 2022, 54, 107819.	11.7	45
5	Adsorption of Copper(II) Ion from Aqueous Solution Using Biochar Derived from Rambutan (<i>Nepheliumlappaceum</i>) Peel: Feedforward Neural Network Modelling Study. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	32
6	Effect of pyrolysis temperature on product yields of palm fibre and its biochar characteristics. <i>Materials Science for Energy Technologies</i> , 2020, 3, 575-583.	1.8	30
7	An experimental and modelling approach to produce biochar from banana peels through pyrolysis as potential renewable energy resources. <i>Modeling Earth Systems and Environment</i> , 2020, 6, 115-128.	3.4	29
8	Utilisation of natural plant-based fenugreek (<i>Trigonella foenum-graecum</i>) coagulant and okra (<i>Abelmoschus esculentus</i>) flocculant for palm oil mill effluent (POME) treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104667.	6.7	29
9	Treatment of palm oil mill effluent (POME) by coagulation flocculation process using peanut okra and wheat germ okra. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1951-1970.	4.1	28
10	Outlook on biorefinery potential of palm oil mill effluent for resource recovery. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104519.	6.7	23
11	Optimization of Pyrolysis Parameters for Production of Biochar From Banana Peels: Evaluation of Biochar Application on the Growth of <i>Ipomoea aquatica</i> . <i>Frontiers in Energy Research</i> , 2021, 8, .	2.3	23
12	Prediction of carbon sequestration of biochar produced from biomass pyrolysis by artificial neural network. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107640.	6.7	17
13	Artificial Neural Network (ANN) Modelling of Palm Oil Mill Effluent (POME) Treatment with Natural Bio-coagulants. <i>Environmental Processes</i> , 2020, 7, 509-535.	3.5	15
14	Fenugreek seeds and okra for the treatment of palm oil mill effluent (POME) – Characterization studies and modeling with backpropagation feedforward neural network (BFNN). <i>Journal of Water Process Engineering</i> , 2020, 37, 101500.	5.6	11
15	Potential of Biochar as Soil Amendment: Prediction of Elemental Ratios from Pyrolysis of Agriculture Biomass Using Artificial Neural Network. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	2.4	11
16	Performance study of chia seeds, chia flour and <i>Mimosa pudica</i> hydrogel as polysaccharide-based superabsorbent polymers for sanitary napkins. <i>Materials Today Communications</i> , 2021, 26, 101712.	1.9	10
17	Evaluation of potential feedstock for biogas production via anaerobic digestion in Malaysia: kinetic studies and economics analysis. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2492-2509.	2.2	10
18	Natural plant materials as coagulant and flocculants for the treatment of palm oil mill effluent. <i>Materials Today: Proceedings</i> , 2022, 48, 871-887.	1.8	10

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19	Artificial neural networks modelling: Gasification behaviour of palm fibre biochar. <i>Materials Science for Energy Technologies</i> , 2020, 3, 868-878.	1.8	9
20	Stability of biochar derived from banana peel through pyrolysis as alternative source of nutrient in soil: feedforward neural network modelling study. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 70.	2.7	8
21	Pyrolysis of Biomass. , 2017, , 215-229.		6
22	Bio-pellets from empty fruit bunch and durian rinds with cornstarch adhesive for potential renewable energy. <i>Materials Science for Energy Technologies</i> , 2021, 4, 242-248.	1.8	6
23	USE OF NEARPOD AS INTERACTIVE LEARNING METHOD. <i>INTED Proceedings</i> , 2019, , .	0.0	4
24	Rambutan (<i>Nephelium lappaceum</i>) seeds for the treatment of Palm Oil Mill Effluent (POME) and its Feedforward Artificial Neural Network (FANN) modeling. <i>Journal of Modern Manufacturing Systems and Technology</i> , 0, 4, 1-14.	0.2	3
25	Comparative life cycle assessment of pervious concrete production in Malaysia with natural and recycled aggregate. <i>Innovative Infrastructure Solutions</i> , 2022, 7, 1.	2.2	3
26	Feasibility of Bio-Coal Production from Hydrothermal Carbonization (HTC) Technology Using Food Waste in Malaysia. <i>Sustainability</i> , 2022, 14, 4534.	3.2	3
27	Artificial Neural Network Modelling for Slow Pyrolysis Process of Biochar from Banana Peels and Its Effect on O/C Ratio. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 336-350.	0.6	2